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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/674,557	10/01/2003	Juei-Seng Liao	089048-0298	5744

22428 7590 02/02/2005

FOLEY AND LARDNER  
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WASHINGTON, DC 20007

EXAMINER

PETERSON, KENNETH E

ART UNIT	PAPER NUMBER
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3724

DATE MAILED: 02/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/674,557

Applicant(s)

LIAO ET AL

Examiner

Kenneth E Peterson

Art Unit

3724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 December 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) 9 and 10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 8 is/are rejected.
- 7) ☒ Claim(s) 7 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Art Unit: 3724

1. Claims 9 and 10 are withdrawn from further consideration pursuant to 37 CFR

1.142(b) as being drawn to a nonelected group, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 15 December 04.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yu '851, who shows a table saw with most of the recited limitations including;

First and second bearing means (31,33) having arcuate sliding paths,

A support seat (32) having first and second ends (321,322), a mount segment (at 323) and a seat segment (at 32),

A pivotable motor (39),

A blade shaft (seen in figure 4) having a mount end (left side) a shaft body (central portion) and a driven end (right side),

A saw blade (40),

A spindle (part of 34) having teeth (341) and being mounted on a post (38),

A coupler having a linkage (342) and a sleeve (343),

A height adjusting rod (371) having a threaded surface (372),

An inclination adjusting member (361).

Yu does not show his topside worktable, so it is not known if it is pivotable or not. Examiner takes Official Notice that it is well known for table saw tabletops to be pivotable. An example of such is the patent to Cook '544. It would have been obvious to one of ordinary skill in the art to have made Yu's tabletop pivotable, as is well known and taught by Cook, in order to be able to access the inner machinery.

Yu does not show how he fastens the blade at a certain inclination. Examiner takes Official Notice that it is well known to employ a fastening member that screws into one end of the support seat, said fastening member including a head, washer and spring. An example of this is the patent to Chuang '242 (right hand side of figure 4). It would have been obvious to one of ordinary skill in the art to have used such a well known fastening member (such as Chuang's) on Yu's table saw, in order to be able to fix the inclination of the blade.

In regards to claims 6 and 8, Yu's inclination adjusting member is not the type that has a screw hole in the mounting seat, bevel gears and an indicating unit. Examiner takes Official Notice that it is well known for inclination adjusting members to have a screw hole in the mounting seat, bevel gears and an indicating unit. An example of this is the patent to Chiang '002 (see figures 3 and 5). It would have been obvious to one of ordinary skill in the art to have modified Yu by making the inclination adjusting member of the type that has a screw hole in the mounting seat and has bevel gears and an indicating unit, as is well known and taught by Chiang, in order to be able to access all controls from the front of the machine and to be able to accurately discern the angle of inclination.

Art Unit: 3724

4. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. Made of record but not relied upon are patents to Wang, Parks et al. and Garcia et al. showing pertinent table saws.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ken Peterson at 517-272-4512, on Monday-Thursday, 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Allan Shoap, can be reached at 571-272-4514. In lieu of mailing, it is encouraged that papers be faxed to 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. For more information about the PAIR system, see <http://pair-direct.uspto.gov> or call the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

kp  
February 1, 2005



KENNETH E. PETERSON  
PRIMARY EXAMINER